



Form PTO-1449 (modified)

Office of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.

UTSC:755US

Serial No.

10/618,102

Applicant

Edward H. Lin *et al.*

Filing Date:

July 11, 2003

Group:

~~1623~~ 1637

U.S. Patent Documents

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Foreign Patent Documents

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
TS	A1	6,329,179	12/11/01	Kopreski	435	91.2	3/14/97
TS	A2	6,037,129	3/14/00	Cole <i>et al.</i>	435	6	5/28/98

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
TS	C1 ✓	Asahara <i>et al.</i> , "VEGF contributes to postnasal neovascularization by mobilizing bone marrow-derived endothelial progenitor cells," <i>EMBO J.</i> , 18(14):3964-3972, 1999.
	C2 ✓	Bhatia, "AC133 expression in human stem cells," <i>Leukemia</i> , 15(11): 1685-1688, 2001.
	C3 ✓	Boyer <i>et al.</i> , "Isolation of endothelial cells and their progenitor cells from human peripheral blood," <i>J. Vasc. Surg.</i> , 31(1-1):181-189, 2000.
	C4 ✓	Buhring <i>et al.</i> , "AC133 antigen expression is not restricted to acute myeloid leukemia blasts but is also found on acute lymphoid leukemia blasts and on a subset of CD34+ B-cell precursors," <i>Blood</i> , 94(2):832-833, 1999.
	C5 ✓	Byrne and Bundred, "Surrogate markers of tumoral angiogenesis," <i>Biological Markers</i> , 15(4):334-339, 2000.
	C6 ✓	Corbeil <i>et al.</i> , "The human AC133 hematopoietic stem cell antigen is also expressed in epithelial cells and targeted to plasma membrane protrusions," <i>Journal of Biological Chemistry</i> , 275(8):5512-5520, 2000.
TS	C7 ✓	Dimitriou <i>et al.</i> , "In vitro proliferative and differentiating characteristics of CD133(+) and CD34(+) cord blood cells in the presence of thrombopoietin (TPO) or erythropoietin (EPO): potential implications for hematopoietic cell transplantation," <i>Leukemia Research</i> , 27(12):1143-1151, 2003.

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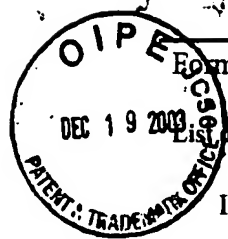
EXAMINER:

Teresa Stuebele

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15	✓ C8	Folkman <i>et al.</i> , "Angiogenesis research: guidelines for translation to clinical application," <i>Thrombosis Haemostasis</i> , 86:23-33, 2001.
	✓ C9	Forraz <i>et al.</i> , "AC133+ umbilical cord blood progenitor demonstrate rapid self-renewal and low apoptosis," <i>British Journal of Haematology</i> , 119(2):516-524, 2002.
	✓ C10	Gill <i>et al.</i> , "Vascular trauma induces rapid but transient mobilization of VEGFR2+AC133+ Endothelial precursor cells," <i>Circ. Res.</i> , 88(2):167-174, 2001.
	✓ C11	Handgretinger <i>et al.</i> , "Biology and plasticity of CD133+ hematopoietic stem cells," <i>Annals of the New York Academy of Sciences</i> , 996:141-151, 2003.
	✓ C12	Hariharan <i>et al.</i> , "Human immunodeficiency virus infection of human placental cord blood CD34+AC133+ stem cells and their progeny," <i>AIDS Res. Hum. Retroviruses</i> , 15(17):1545-1552, 1999.
	✓ C13	Hurvitz <i>et al.</i> , "Bevacizumab (a monoclonal antibody to vascular endothelial growth factor) prolongs survival in first-line colorectal cancer(CRC): results of a phase III trial of bevacizumab in combination with bolus IFL (irinotecan, 5-fluorouracil, leucovorin) as a first-line therapy in subjects with metastatic CRC," PRO ASCO Conference, Chicago, Ill., abst #3536, 2003.
	✓ C14	Kanayasu-Toyoda <i>et al.</i> , "CD31 (PECAM-1)-bright cells derived from AC133-positive cells in human peripheral blood as endothelial-precursor cells," <i>Journal of Cellular Physiology</i> , 195(1):119-129, 2003.
	✓ C15	Lee <i>et al.</i> , AC133 antigen as a prognostic factor in acute leukemia," <i>Leukemia Research</i> , 25(9):757-767, 2001.
	✓ C16	Marchetti <i>et al.</i> , "Prediction of survival in stage I lung carcinoma patients by telomerase function evaluation," <i>Lab. Invest.</i> , 82(6), 2002.
	✓ C17	Miraglia <i>et al.</i> , "A response to AC133 hematopoietic stem cell antigen: human homologue of mouse kidney prominin or distinct member of a novel protein family?" <i>Blood</i> , 91(11):4390-4391, 1998.
	✓ C18	Mundhenke <i>et al.</i> , "Tissue examination to monitor antiangiogenic therapy: a phase I clinical trial with endostatin," <i>Clinical Cancer Res.</i> , 7:3366-3374, 2001.
15	✓ C19	Nakatani <i>et al.</i> , "Circulating endothelial cells in Kawasaki disease," <i>Clinical & Experimental Immunology</i> , 131(3):536-540, 2003.

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TS ✓	C20	Reyes <i>et al.</i> , "Origin of endothelial progenitors in human postnatal bone marrow," <i>J. Clin. Invest.</i> , 109(3):337-346, 2002.
✓	C21	Reyes <i>et al.</i> , "Purification and ex vivo expansion of postnasal human marrow mesodermal progenitor cells," <i>Blood</i> , 98(9):2615-2625, 2001.
✓	C22	Salven <i>et al.</i> , "VEGFR-3 and CD 133 identify a population of CD34+ lymphatic/vascular endothelial precursor cells," <i>Blood</i> , 101(1):168-172, 2003.
✓	C23	Schmeisser <i>et al.</i> , "Monocytes coexpress endothelial and macrophagocytic linkage markers and form cord-like structures in Matrigel under angiogenic conditions," <i>Cardiovascular Res.</i> , 49:671-680, 2001.
✓	C24	Shi <i>et al.</i> , "Influence of nitric oxide synthase II gene disruption on tumor growth and metastasis," <i>Cancer Res.</i> , 60:2579-2583, 2000.
✓	C25	Shi <i>et al.</i> , "Regulation of vascular endothelial growth factor expression by acidosis in human cancer cells," <i>Oncogene</i> , 20:3751-3761, 2001.
✓	C26	Singh <i>et al.</i> , "Identification of a cancer stem cell in human brain tumors," <i>Cancer Res.</i> , 63:5821-5828, 2003.
✓	C27	Ueda <i>et al.</i> , "DNA microarray analysis of stage progression mechanism in myelodysplastic syndrome," <i>British Journal of Haematology</i> , 123(2):288-296, 2003.
✓	C28	Vercauteren <i>et al.</i> , "CD133 (AC133) expression on AML cells and progenitors," <i>Cytotherapy</i> , 3(6):449-459, 2001.
✓	C29	Xu <i>et al.</i> , "One-step analysis and quantification of RNA by RT-PCR: using high-temperature reverse transcription," <i>Focus</i> , 22(1):3-5, 2000.
✓	C30	Yin <i>et al.</i> , "AC133, a novel marker for human hematopoietic stem and progenitor cells," <i>Blood</i> , 90(12):5002-5012, 1997.
TS ✓	C31	Yu <i>et al.</i> , "AC133-2, a novel isoform of human AC133 stem cell antigen," <i>Journal of Biological Chemistry</i> , 277(23):20711-20716, 2002.

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TS	A3	6,455,678	9/24/02	Yin <i>et al.</i>	530	395	4/23/97

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Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
TS	B1	WO 97/41224	11/06/97	PCT	—	—	English

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TS	A4	5,776,154	07/07/98	Taylor <i>et al.</i>	606	167	2/20/97

Foreign Patent Documents

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